

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. NAK1-BQ35	SERIAL NO.
		APPLICANT Nobukazu Kurauchi et al.	
		FILING DATE	GROUP 2623

 16872 U.S. PTO
 10/10782

11/05/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION
							YES NO
NV!	L	9 1 8 8 5 0	01/17/97	Japan			X
	M	9 1 8 8 5 3	01/17/97	Japan			x
↓	N	7 5 3 9 4 9	01/15/97	EP (based on Nos. L & M)			
	O	2000 1 8 8 6 1 6	07/04/00	Japan			X
↓	P	1 0 5 8 4 2 9	12/06/00	EP based on No. O)			
	Q						

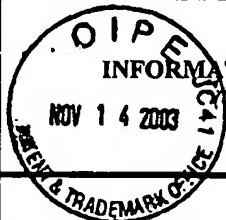
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	R	
	S	
	T	

EXAMINER /Ngoc Vu/ DATE CONSIDERED 02/01/2007

*EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)
42478-7400Application Number
10/010,782Applicant(s)
Nobukazu Kurauchi et al.Filing Date
11/5/2001Group Art Unit
~~3161~~ 2623

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NV		5,515,098	5/7/96	Carles			
↓		5,855,008	12/29/98	Goldhaber et al.			
↓		5,819,092	10/6/98	Ferguson et al.			
NV		5,559,549	9/24/96	Hendricks et al.			

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NOV 19 2003
GROUP 3600

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		680 214	19.04.95	Europe			✓	
		WO 99/43111	26.08.99	PCT			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER
/Ngoc Vu/DATE CONSIDERED
02/01/2007

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional)		Application Number	
				42478-7400		10/010,782	
				Applicant(s)			
				Nobukazu Kurauchi et al.			
				Filing Date		Group Art Unit	
				November 5, 2001		2623 2461	

U. S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
NV		99/66719	12/23/99	PCT/WIPO				
↓		97/12486	4/3/97	PCT/WIPO				
↓		11-512903	2/11/99	Japan (corresponding to WIPO 97/12486)			X	
↓		09-051522	2/18/97	Japan w/English Abstract			X	
↓		09-065321	3/7/97	Japan w/English Abstract			X	
NV		10-290443	10/27/98	Japan w/English Abstract			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

EXAMINER	/Ngoc Vu/	DATE CONSIDERED	02/01/2007
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.